VFX 100m

10.4" (26mm) TFT LCD
Integral VFX 1000 Controller

Powering Business Worldwide

VFX 100m Description

Compact 10.4'' monitor with built-in VFX 1000 display controller and solid protection for use in off-highway vehicles. Ready for attachment of up to two cameras which can be software-controlled. May either be mounted in the vehicle dashboard or through a RAM ball elsewhere in the vehicle cockpit. Its display is characterized by low reflection and high color saturation and provides optimal readability in any lighting conditions. Seven programmable control keys and three hard keys allow for the creation of an easy-to-use human machine interface.

Specifications

Diagonal size	10.4'' (26cm) – 4:3 aspect ratio
Dimensions	280 mm (W) x 232 mm (H)
Weight	2.3kg
Resolution	640 (W) x 480 (H)
Active area	211.2 (W) x 158.4 (H) mm
Dot pitch	0.330 (W) x 0.330 (H) mm
LCD type	TFT (thin film transistor) active matrix
Touch screen (opt.)	resistive
Backlight	Cold cathode type
Backlight lifetime	10,000 hours (min) at +25°C
Housing	Aluminum die-cast

Absolute Maximum Ratings

Operating temperature	-30 to +70°C (ambient)
Storage temperature	-30 to +85°C
Supply voltage	9 to 34V

Optical Characteristics

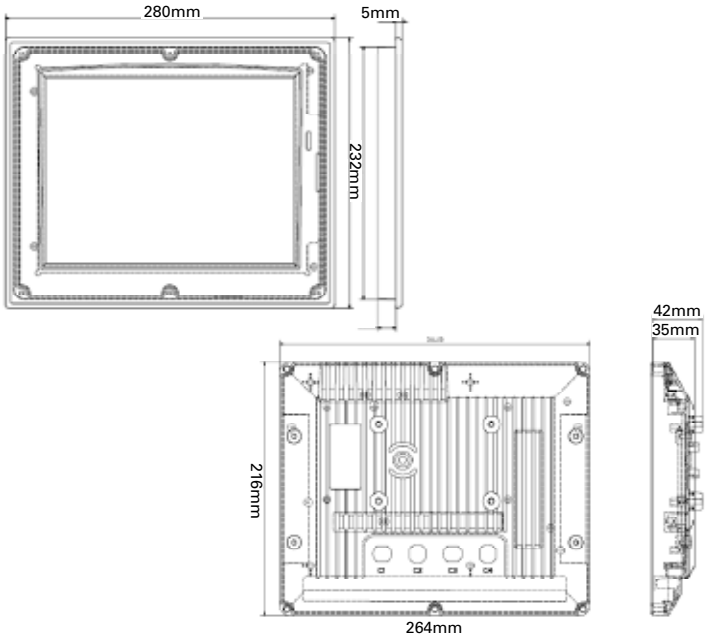
Luminance	450 cd /m²
Viewing angle	V = 50 deg H = 70 deg
Contrast ratio	600:1
Response time	10 ms

Features

- 10.4'' (26cm) monitor with wide viewing angle, high contrast and optional touch screen
- Keyboard with seven freely programmable buttons and three hard keys for up, down and enter
- Support of up to two external composite video camera systems with optional circular DIN connectors
- Panel or cabin mount
- Wide power supply range for use in 12V and 24V supply systems (9V to 34V)
- Real-time clock and internal battery
- IP65 water and dust resistance
- 4 x standard Amphenol connectors (C1-C4 below)
- K15 for ignition input
- 2 x CAN, 125 kbit/s up to 1 Mbit/s
- 2 x serial interfaces (1x RS-232, 1x LIN)
- 1 x RS-232 modem (with handshake lines)
- 1 x RS-232 and 1 x Ethernet 10 Mbit/s for debugging

All external interfaces are protected against short circuit to GND and BAT+.

Housing front and back with dimensions



Eaton
Hydraulics Group USA
14615 Lone Oak Road
Eden Prairie, MN 55344
USA
Tel: 952-937-9800
Fax: 952-294-7722
www.eaton.com/hydraulics

Eaton
Hydraulics Group Europe
Route de la Longeraie 7
1110 Morges
Switzerland
Tel: +41 (0) 21 811 4600
Fax: +41 (0) 21 811 4601

Eaton
Hydraulics Group Asia Pacific
Eaton Building
4th Floor, No. 3 Lane 280 Linhong Rd.
Changning District
Shanghai 200335
China
Tel: (+86 21) 5200 0099
Fax: (+86 21) 5200 0400

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